



United States Department of Agriculture  
National Agricultural Statistics Service

# Farm Report



Cooperating with Ohio Department of Agriculture

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**FEATURING:**   ☐ Crop Production   ☐ Supply/Demand   ☐ Ag Prices   ☐ Plant Population

## OHIO CORN PRODUCTION UP 15 PERCENT

Based on conditions as of November 1, Ohio's average **corn** yield is forecast at 150 bushels per acre, unchanged from the previous month's forecast but nine bushels below the 2006 average yield. Total grain production is forecast at 541.5 million bushels, up 15 percent from last year's State total. Corn growers expect to harvest 3.61 million acres in 2007 compared to the 2.96 million acres harvested one year ago.

The 2007 average **soybean** yield for Ohio is forecast at 46 bushels per acre, also unchanged from last month's forecast but 1 bushel below the 2006 average State yield. Total State production is forecast at 190.0 million bushels, down 13 percent from 2006. Harvested acreage is forecast at 4.13 million acres, down 490,000 acres from last year.

### Corn Production Down 1 Percent from October Soybean Production Down Slightly

**U.S. corn** production is forecast at 13.2 billion bushels, down 1 percent from last month but 25 percent above 2006. Based on conditions as of November 1, yields are expected to average 153.0 bushels per acre, down 1.7 bushels from October but 3.9 bushels above last year. If realized, this yield would be the

second highest on record, behind 2004. Production would be the largest on record as producers expect to harvest the most corn acres for grain since 1933. Forecast yields are lower than last month across the northern and western Corn Belt and adjacent areas of the Great Plains where actual harvest results are revealing that the impact of the hot, dry conditions during pollination was worse than initially expected. Producers in the Ohio Valley, Tennessee Valley, and mid-Atlantic States reported higher yields than last month.

**U.S. soybean** production is forecast at 2.59 billion bushels, down slightly from the October forecast and down 19 percent from last year's record high. Based on November 1 conditions, yields are expected to average 41.3 bushels per acre, down 0.1 bushel from last month and down 1.4 bushels from last year. Compared with last month, yields are forecast higher in Indiana, Michigan, Texas, and most of the Mid-Atlantic region as producers are realizing higher yields than expected. In contrast, yield prospects decreased or were unchanged across the remainder of the Nation as harvest progressed. Area for harvest in the U.S. is forecast at 62.8 million acres, unchanged from last month but down 16 percent from 2006.

## OHIO AND UNITED STATES, NOVEMBER 1, 2007, WITH COMPARISONS

Crop	Harvested Acres		Unit	Yield Per Acre		Production	
	2006	2007		2006	2007	2006	2007
Thousands				Thousands			
OHIO							
Corn for Grain	2,960	3,610	Bu.	159.0	150.0	470,640	541,500
Soybeans for Beans	4,620	4,130	Bu.	47.0	46.0	217,140	189,980
Wheat, All	960	780	Bu.	68.0	64.0	65,280	49,920
Oats	55	60	Bu.	75.0	57.0	4,125	3,420
Alfalfa Hay	470	430	Ton	3.50	2.70	1,645	1,161
Other Hay	740	700	Ton	2.40	1.80	1,776	1,260
Tobacco, All	3.5	3.3	Lb.	2,000	1,750	7,000	5,775
Potatoes	3.1	3.0	Cwt	325	325	1,008	975
UNITED STATES							
Corn for Grain	70,648	86,071	Bu.	149.1	153.0	10,534,868	13,167,741
Soybeans for Beans	74,602	62,818	Bu.	42.7	41.3	3,188,247	2,594,275
Wheat, All	46,810	51,011	Bu.	38.7	40.5	1,812,036	2,066,722
Oats	1,566	1,505	Bu.	59.8	60.9	93,638	91,599
Alfalfa Hay	21,384	21,451	Ton	3.35	3.37	71,666	72,347
Other Hay	39,423	40,338	Ton	1.78	1.87	70,000	75,617
Tobacco, All	338.9	355.1	Lb.	2,144	2,000	726,644	709,965
Potatoes	1,121.9	1,130.0	Cwt	393	396	441,348	447,970

**NOVEMBER U.S. SUPPLY AND DEMAND <sup>1/</sup>**

	Corn		Wheat		Soybeans	
	2006/2007	2007/08	2006/07	2007/08	2006/07	2007/08
	Million Bushels					
Beginning Stocks	1,967	1,304	571	456	449	573
Production	10,535	13,168	1,812	2,067	3,188	2,594
Imports	12	15	122	90	9	6
Total Supply	12,514	14,487	2,505	2,613	3,647	3,173
Domestic Use	9,086	10,240	1,140	1,151	1,956	1,988
Exports	2,125	2,350	909	1,150	1,118	975
Total Use	11,210	12,590	2,049	2,301	3,074	2,963
Ending Stocks	1,304	1,897	456	312	573	210
Average Price (\$/bu.)	3.04	3.20-3.80	4.26	5.90-6.30	6.43	8.50-9.50

<sup>1/</sup> From World Agricultural Supply and Demand Estimates, ERS, FAS, USDA.

**OHIO WINTER WHEAT PRICE CONTINUES TO CLIMB**

The October winter wheat price for Ohio was \$7.33 per bushel, up 59 cents from September and \$3.47 above the October 2006 average price of \$3.86. The State's October soybean price of \$8.51 per bushel was up 25 cents from September, and \$2.84 above what was received at the same time last year. Ohio's October corn price of \$3.26 per bushel was down eight cents from September but 70 cents above the previous October price of \$2.56 per bushel. The alfalfa hay price in October of \$155.00 per ton was down \$27.00 from September but \$28.00 per ton higher than the price received one year ago. Other hay at \$110.00 per ton was up \$3.00 from September and \$36.00 above the price received last year at this time.

The October beef cattle price in Ohio of \$86.50 per cwt was down \$2.00 from September but \$3.20 per cwt higher than the October 2006 average price. The steer and heifer price of \$91.00 per cwt was down \$2.20 from September but \$3.40 per cwt higher than the October 2006 average price. The October cow price of \$46.00 per cwt was down 50 cents from September but \$1.00 higher than the price received one year ago. Calves, at \$102.00 per cwt were down \$6.00 from September and \$9.00 below the previous October price. Ohio's October hog price of \$41.20 per cwt was down \$3.10 from September and \$4.50 less than was received the previous October. The October sow price of \$28.90 per cwt was down \$8.10 from September and \$7.20 lower than the October 2006 average price. The October barrow

and gilt price of \$42.00 per cwt was down \$2.80 from the previous month, and \$4.20 less than was received in October 2006. The October milk price of \$22.40 per cwt was down 30 cents from September but \$7.90 higher than the October 2006 price of \$14.50 per cwt. The October egg price of 83.4 cents per dozen was down 16.6 cents from September but 41.4 cents higher than the October 2006 price.

The preliminary All Farm Products Index of Prices Received by Farmers in October, at 142 percent, based on 1990-92=100, increased 1 point (0.7 percent) from September. The Crop Index is up 7 points (4.9 percent) but the Livestock Index decreased 7 points (5.0 percent). Producers received higher commodity prices for lettuce, wheat, soybeans, and tomatoes and lower prices were received for broilers, hogs, cattle, and eggs. The overall index is also affected by the seasonal change based on a 3-year average mix of commodities producers sell. Increased average marketings of soybeans, corn, cotton, and grain sorghum offset decreased marketings of milk, wheat, grapes, and broilers.

The preliminary All Farm Products Index is up 27 points (23 percent) from October 2006. The Food Commodities Index, at 145, increased 1 point (0.7 percent) from last month and increased 29 points (25 percent) from October 2006.

**AGRICULTURAL PRICES, OHIO AND UNITED STATES OCTOBER 2007 WITH COMPARISONS**

Commodity <sup>1/</sup>	Unit	Ohio			U.S.
		Oct. 2006	Sep. 2007	Oct. 2007	Oct. 2007
Winter Wheat	Bu \$	3.86	6.74	7.33	7.98
Corn	Bu \$	2.56	3.34	3.26	3.29
Soybeans	Bu \$	5.67	8.26	8.51	8.58
Oats	Bu \$		1.78		2.35
All hay, baled <sup>2/</sup>	Ton \$	109.00	147.00	134.00	133.00
Alfalfa hay	Ton \$	127.00	182.00	155.00	137.00
Other hay	Ton \$	74.00	107.00	110.00	122.00
Potatoes	Cwt \$				5.66
Apples	Lb \$	0.390	0.475	0.450	0.361
Hogs	Cwt \$	45.70	44.30	41.20	42.60
Sows	Cwt \$	36.10	37.00	28.90	28.60
Barrows and gilts	Cwt \$	46.20	44.80	42.00	43.30
All beef	Cwt \$	83.30	88.50	86.50	90.80
Cows	Cwt \$	45.00	46.50	46.00	46.80
Steers and heifers	Cwt \$	87.60	93.20	91.00	96.70
Calves	Cwt \$	111.00	108.00	102.00	125.00
Sheep	Cwt \$	34.80	30.50	-	-
Lambs	Cwt \$	91.00	89.80	-	-
Milk sold to plants	Cwt \$	14.50	22.70	22.40	21.20
Milk for fluid use	Cwt \$	14.60	22.90	-	21.20
Milk of Mfg. grade	Cwt \$	13.10	18.00	-	19.30
Eggs <sup>3/</sup>	Doz \$	0.420	1.000	0.834	0.803
<b>Feed Price Ratios</b>					
Hog-corn ratio <sup>4/</sup>		17.9	13.3	12.6	12.9

<sup>1/</sup> Monthly average except for current month. <sup>2/</sup> Mid-month price for all months. <sup>3/</sup> Fresh market (table) eggs. <sup>4/</sup> Bushels of corn equal in value to 100 pounds of hogs live weight. <sup>5/</sup> Insufficient sales to establish a price. <sup>6/</sup> Estimates discontinued in 2005. <sup>7/</sup> Prices not published to avoid disclosure of individual firms.

### Plant Population and Row Width

The National Agricultural Statistics Service is conducting objective yield surveys in 10 corn and 11 soybean producing States during 2007. The selected states account for about 75 percent of the U.S. production. Randomly selected plots are visited monthly from August through harvest to obtain specific counts and measurements. The counts made within each sample plot depend on the crop and the maturity of that crop. In all cases, plant counts are recorded along with other measurements

that provide information to forecast the number of ears, bolls, or pods and their weight. The counts are used with similar data from previous years to develop a projected biological yield. The average harvesting loss is subtracted to obtain a net yield. The plots are revisited each month until crop maturity when the fruit is harvested and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss.

#### CORN FOR GRAIN: PLANT POPULATION PER ACRE, SELECTED STATES, 2003-2007 <sup>1/</sup>

State	2003	2004	2005	2006	2007 <sup>2/</sup>
	Number of Plants				
IL	27,050	27,700	28,000	28,000	28,100
IN	25,900	26,500	25,200	26,350	27,350
IA	27,250	27,850	28,000	28,600	29,100
MN	28,800	29,300	28,450	28,900	29,750
NE	23,700	24,050	23,700	24,450	25,000
<b>OH</b>	25,900	26,650	25,600	26,200	26,600
WI	27,100	27,550	27,050	27,450	28,800

<sup>1/</sup> Based on stock counts in plots selected for objective yield samples. <sup>2/</sup> Preliminary.

#### CORN FOR GRAIN: NUMBER OF EARS PER ACRE, SELECTED STATES, 2003-2007

State	2003	2004	2005	2006	2007 <sup>1/</sup>
	Number of Plants				
IL	26,650	27,400	26,850	27,400	27,750
IN	25,350	26,050	24,650	25,750	26,800
IA	26,600	27,500	27,100	27,350	28,450
MN	28,600	29,200	28,050	28,250	28,600
NE	22,600	24,050	22,800	23,550	24,750
<b>OH</b>	25,750	26,050	24,650	25,450	25,950
WI	26,250	26,800	26,350	27,200	27,850

<sup>1/</sup> Preliminary

#### OHIO CORN ROW WIDTH 2003-2007

Year	Number of Samples	Corn row width (inches) <sup>1/</sup>						Average Row Width	Plant Population
		20.5 or less	20.6-30.5	30.6-34.5	34.6-36.5	36.6-38.5	38.6-Greater		
	Number							Inches	Number
2003	101	-	54.4	38.6	2.0	5.0	-	30.9	25,900
2004	107	0.9	74.7	20.6	1.9	1.9	-	30.3	26,650
2005	116	-	64.6	25.9	1.7	5.2	2.6	31.0	25,600
2006	117	0.9	70.0	17.9	4.3	6.0	0.9	30.9	26,200
2007	120	0.8	74.2	16.7	7.5	0.8	-	30.6	26,600 <sup>2/</sup>

<sup>1/</sup> Spacings based on row measurements in sample plots selected for objective yield terminations. <sup>2/</sup> Preliminary

## OHIO SOYBEANS ROW WIDTH 2003-2007

Year	Number of samples	Soybean row width groups (inches) <sup>1/</sup>					Average width <sup>2/</sup> (inches)
		10.0 & less <sup>2/</sup>	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & greater	
	Number	Percent of Sample					
2003	132	69.6	27.0	0.4	3.0	-	10.1
2004	130	70.0	25.8	1.1	3.1	-	10.5
2005	130	63.9	31.5	3.1	1.5	-	10.7
2006	132	45.6	46.0	1.5	6.1	0.8	12.6
2007	136	51.5	44.5	0.3	3.7	-	11.7

1/ Based on row measurements in sample plots selected for objective yield samples. 2/ Broadcast soybeans included as 10 inches and less but excluded in computation of average width.

SOYBEANS: PODS WITH BEANS PER 18 SQUARE FEET,  
SELECTED STATES, 2003-2007

State	2003	2004	2005	2006	2007 <sup>1/</sup>
	Number of Plants				
IL	1,634	1,947	1,858	1,923	1,818
IN	1,582	1,917	1,899	1,909	1,628
IA	1,647	1,741	1,970	1,760	1,933
MN	1,440	1,435	1,640	1,568	1,588
MO	1,523	2,038	1,652	1,735	1,685
NE	1,636	1,895	1,920	1,766	2,088
<b>OH</b>	1,752	1,837	1,981	1,866	1,909

1/ Preliminary

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